

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 005950-664	SERIAL NO. 10/023,420
LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		RECEIVED OCT 04 2002	
		APPLICANT Douglas Goff et al.	
		GROUP 2851 GROUP 36C	

U.S. PATENT DOCUMENTS

EXAMINER INITIALS*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>h</i>	AA	3,899,768	08/12/75	Quay et al.	340	15.5 DS	07/11/73
<i>on</i>	AB	4,779,237	10/18/88	Bodine	367	47	08/27/84
<i>a</i>	AC	5,563,949	10/08/96	Bahorich et al.	364	421	12/12/94
<i>h</i>	AD	5,724,309	03/03/98	Higgs et al.	367	48	03/06/96
<i>on</i>	AE	5,831,935	11/03/98	Luo et al.	367	47	03/05/96
<i>a</i>	AF	5,838,564	11/17/98	Bahorich et al.	364	421	10/01/96
<i>h</i>	AG	5,987,388	11/16/99	Crawford et al.	702	16	12/26/97
<i>a</i>	AH	6,018,498	01/25/00	Neff et al.	367	72	09/02/98
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	AK						
	AL						
	AM						
	AN						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>h</i>	AO	Bahorich et al., "3-D Seismic Discontinuity for Faults and Stratigraphic Features: The Coherence Cube," SEG Leading Edge, Vol. 14, pp. 1053-1058 (1995)
<i>a</i>	AP	Bhalla et al., "Automatic Feature Detection and Correspondence in a Stereo-Vision Application," 1996 Institution of Electrical Engineers, Abstract (1996).
<i>h</i>	AQ	Blonda et al., "Fuzzy Neural Network Based Segmentation of Multispectral Magnetic Resonance Brain Images," Proceedings of the SPIE - The International Society for Optical Engineering Conference, Vol. 2761 pp. 146-153, Abstract (1996).
EXAMINER		DATE CONSIDERED
<i>h</i>		04/19/05

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		FILING DATE 12/14/01	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Chung et al., "3-D Interpretation of Imperfect Line Drawings," <i>BMUC '95 Proceedings of the 6th British Machine Vision Conference</i> , Part Vol. 1, pp. 287-296, Vol 1, Abstract (1995).
AS	Ester et al., "A Density-Based Algorithm for Discovering Clusters in Large Spatial Databases with Noise," <i>Proceedings of 2nd International Conference on Knowledge Discovery and Data Mining</i> .
AT	Finn et al., "Seismic 3 - 3-D and General Processing - Estimation of Three-Dimensional Dip and Curvature from Reflection Seismic Data," <i>56th Annual International Meeting and Exposition</i> , pp. 355-358 (Nov. 2-6, 1986).
AU	Grimaud, Michael, "A New Measure of Contrast: the Dynamics," <i>Proc. SPIE Image Algebra and Morphological Imaging Processing</i> , pp. 292-305 (July 1992).
AV	Gurney, Charlotte M., "Threshold Selection for Line Detection Algorithms," <i>IEEE Transactions on Geoscience and Remote Sensing</i> , Vol. GE-18, No. 2 (April 1980).
AW	Hoppe, Hugues, "Surface Reconstruction from Unorganized Points," <i>Proc. of Siggraph</i> , pp. 71-78 (1992).
AX	Hutchinson, Suzi, "FZAP! 1.0 Offers Automated Fault Picking," webpage, pp. 1-4 (May/June 1997).
AY	Iverson et al., "Logical/Linear Operators for Image Curves," <i>IEEE Transactions and Pattern Analysis and Machine Intelligence</i> , Vol. 17, No. 10, pp. 982-996 (October 1995).
AZ	Lobregt et al., "Three-Dimensional Skeletonization: Principle and Algorithm," <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. PAMI-2, No. 1, pp. 75-77 (January 1980).
BA	Luo et al., "Interpretation 2: Structural Case Histories, Edge Detection and Stratigraphic Analysis Using 3D Seismic Data", <i>66th Annual SEG Meeting</i> , pp. 324-327 (November 10, 1996).
BB	Miller et al., "Prediction Intervals for Surface Growing Range Segmentation," <i>IEEE</i> , pp. 1027-1033 (1997).
BC	Monga et al., "Using Partial Derivatives of 3D Images to Extract Typical Surface Features," <i>Computer Vision and Image Understanding</i> , Vol. 61, No. 2, March, pp. 171-189 (1995).
BD	Monga et al., "Recursive Filtering and Edge Tracking: Two Primary Tools for 3D Edge Detection," <i>Image and Vision Computing</i> , Vol. 9, No. 4, pp. 203-214 (August 1991).
BE	Riazanoff et al., "Ridge and Valley Line Extraction from Digital Terrain Models," <i>Int. J. Remote Sensing</i> , Vol. 9, No. 6, pp. 1175-1183 (1988).
EXAMINER <i>[Signature]</i>	
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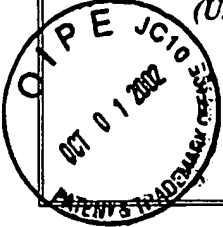
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		FILING DATE 12/14/01	GROUP 2857



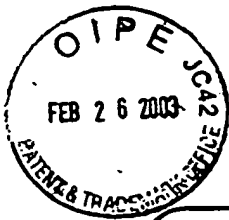
OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	BF	Rosen, Ben, "Morphological Image Processing Techniques Applied to Detection of Correlogram Tracks," <i>U.S. Navy Journal of Underwater Acoustics</i> , Vol. 44, No. 2 (April 1994).
	BG	Rosenfeld et al., "Sequential Operations in Digital Picture Processing," <i>J. Assoc. Comp. Mach.</i> , Vol. 13, No. 4, pages 471-494 (1966).
	BH	Rosenfeld et al., "Distance Functions on Digital Pictures," <i>Pattern Recognition</i> , Vol. 1, pages 33-61 (1968).
	BI	Steeghs et al., "Extraction of Attributes from 3D Seismic Data," <i>EAGE 58th Conference and Technical Exhibition - Amsterdam, The Netherlands</i> , (June 3-7, 1996).
	BJ	Vanderbrug, G. J., "Line Detection in Satellite Imagery," <i>IEEE Transactions on Geoscience Electronics</i> , Vol. GE-14, No. 1 (January 1976).
	BK	Van Herk, Marcel, "A Fast Algorithm for Local Minimum and Maximum Filters on Rectangular and Octagonal Kernals," <i>Pattern Recognition Letters</i> 13, pp. 517-521 (July 1992).
	BL	Vincent, Luc, "Current Topic in Applied Morphological Image Analysis," in <i>Current Trends in Stochastic Geometry and its Applications</i> , W. S. Kendall and O. E. Barndorff-Nelson and M. C. van Lieshout, Editors, Chapman & Hall, London, pp. 1-68 (1997).
	BM	Vincent, Luc, "Efficient Computation of Various Types of Skeletons," <i>Proc. SPIE Medical Imaging V</i> , Vol. 1445, pp. 297-311 (1991).
	BN	Vincent, Luc, "Grayscale Area Openings and Closings, their Efficient Implementation and Applications," <i>Proc. EURASIP Workshop on Mathematical morphology and its Applications to Signal Processing</i> , Barcelona, pp. 22-27 (May 1993).
	BO	Vincent, Luc, "Minimal Path Algorithms for the Robust Detection of Linear Features in Gray Images," <i>Proc. ISMM'98, International Symposium on Mathematical Morphology</i> , H.J.A.M. Heijmans and J. Roerdink eds., Kluwer Academic Publishers, pp 331-338 (June 1998).
	BP	Vincent, Luc, "Morphological Area Openings and Closings for Grayscale Images," in <i>Proc. NATO Shape in Picture Workshop</i> , Springer Verlag, The Netherlands, pp. 197-208 (Sept. 1992).
	BQ	Vincent, Luc, "Morphological Grayscale Reconstruction in Image Analysis: Applications and Efficient Algorithms" <i>IEEE Transactions on Image Processing</i> , Vol. 2, pp. 176-201 (1993).
	BR	Yip et al., "Building Surfaces form Three-Dimensional Image Data on the Intel Paragon," <i>1996 Institution of Electrical Engineers</i> , Abstract (1996).
	BS	Zhang, Z., "A Neural Network for the Segmentation of Textured Images," <i>1996 Institution of Electrical Engineers</i> , Abstract (1996).
	BT	Zucker et al., "A Three-Dimensional Edge Operator" <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. PAMI-3, No. 3 (May 1981).

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PTO/SB/08A (10-01)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/023,420
		Filing Date	12/14/2001
		First Named Inventor	Douglas Francis Goff
		Group Art Unit	2857
		Examiner Name	
Sheet	1	of	2
		Attorney Docket Number	005950-664

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Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
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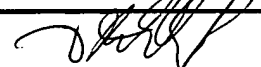
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		Application Number	10/023,420
		Filing Date	12/14/2001
		First Named Inventor	Douglas Francis Goff
		Group Art Unit	2837
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	005950-664

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Q	CA	Maisonneuve, F. and Schmitt, M., "An Efficient Algorithm to Compute the Hexagonal and Dodecagonal Propagation Function," Acta Stereologica, Vol. 8/2, pp. 515-520 (Sept. 1989).	
Th	CB	Meyer, F., "Contrast Feature Extraction," Quantitative Analysis of Microstructures in Material Sciences, Biology and Medicine, J-L Chermant Editor, Riederer Verlag, Stuttgart FRG (1978).	
Ch	CC	Talbot et al., "Advances in Directional Image Analysis using Mathematical Morphology," Acta Stereologica (1999).	
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